

ODC Embedded Linux

Assignment 1

- 1. Write a shell script that calculates the sum of integers from 1 to N using a loop.**
- 2. Write a shell script that takes a user's name as input and greets them.**
- 3. Create a script that searches for a specific word in a file and counts its occurrences.**
- 4. Explain the differences between standard output (stdout) and standard error (stderr).**
- 5. Write a function in a shell script that calculates the factorial of a given number.**
- 6. How do you handle signals like Ctrl+C in a shell script?**
- 7. Create a script that checks for and removes duplicate lines in a text file.**
- 8. Create a shell script that finds and lists all empty files in a directory.**
- 9. Write a shell script that converts all filenames in a directory to lowercase.**
- 10. How can you use arithmetic operations within a shell script?**
- 11. Write a script to calculate the sum of Elements in an Array.**